

10/553303
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Docket No.: 12810-00153-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Petra Cirpus et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: USE OF GENES FOR INCREASING THE
OIL CONTENT IN PLANTS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Of the documents listed on the attached SB/08 are the patent documents cited in the International Search Report during the prosecution of international application no. PCT/EP 04/003845, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(b)(2), Applicants hereby submit these documents for the Examiner's consideration. Copies of the International Search Report and International Preliminary Examination Report and of each document required under 37 CFR 1.98(a)(2) are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed per se as a representation that

Application No.: Not Yet Assigned

such document is prior art. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicant believes no fee is due with this Information Disclosure Statement. However, if a fee is due, please charge our Deposit Account No. 03-2775, under Order No. 12810-00153-US.

Dated: October 14, 2005

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned 10/553303
				Filing Date	Concurrently Herewith
				First Named Inventor	Petra Cirpus
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	12810-00153-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	WO-00/18889	04-06-2000	Calgene LLC		
	BB	WO-02/08391	01-31-2002	National Research Council of Canada		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	CA	Lam, B. et al., "Arabidopsis thaliana Unknown Protein (F22F7.4) mRNA, Complete cds.", Database EMBL, Accession No. AF386968, 06/16/2001.		
	CB	Bussey, H. et al., "YPR140W or P9659.5", Database EMBL, Accession No. Q06510, 11/01/1996.		
	CC	Yamada, K. et al., "Arabidopsis thaliana Unknown Protein (At1g78690) mRNA, Complete cds.", Database EMBL, Accession No. AY045874, 07/31/2001.		
	CD	Browse, J. et al., "Fluxes Through The Prokaryotic and Eukaryotic Pathways of Lipid Synthesis in the '16:3' Plant <i>Arabidopsis thaliana</i> ", Biochem. J., 235 (1986), pp. 25-31.		
	CE	Voelker, T., "Plant Acyl-ACP Thioesterases: Chain-Length Determining Enzymes in Plant Fatty Acid Biosynthesis", Genetic Engineering, Vol. 18, Editor: J. K. Setlow, Plenum Press, New York, 1996, pp. 111-113.		
	CF	Ohlrogge, J. et al., "Lipid Biosynthesis", The Plant Cell, 7 (1995), pp. 957-970.		
	CG	Millar, A. et al., "All Fatty Acids Are Not Equal: Discrimination in Plant Membrane Lipids", Trends in Plant Science, 5 (2000), pp. 95-101.		
	CH	Töpfer, R. et al., "Modification of Plant Lipid Synthesis", Science, 268 (1995), pp. 681-686.		
	CI	Cases, S. et al., "Identification of a Gene Encoding an Acyl CoA:diacylglycerol Acyltransferase, A Key Enzyme in Triacylglycerol Synthesis", Proc. Natl. Acad. Sci. USA, 95 (1998) pp. 13018-13023.		
	CJ	Jako, C. et al., "Seed-Specific Over-Expression of an Arabidopsis cDNA Encoding a Diacylglycerol Acyltransferase Enhances Seed Oil Content and Seed Weight", Plant Physiology, 126 (2001), pp. 861-874.		

Examiner Signature		Date Considered	
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				Filing Date	Concurrently Herewith
				First Named Inventor	Petra Cirpus
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	12810-00153-US

CK	Taylor, D. C. et al., "Field Testing of Transgenic Rapeseed cv. Hero Transformed With A Yeast <i>sn-2</i> Acyltransferase Results in Increased Oil Content, Erucic Acid Content and Seed Yield", <i>Molecular Breeding</i> , 8 (2001), pp. 317-322.	
CL	Frentzen, M., "Engineering and Breeding New Oil Crops: Acyltransferases From Basic Science to Modified Seed Oils", <i>Fett/Lipid</i> , 100 (1998), pp. 161-166.	
CM	Jain, R. K. et al., "Enhancement of Seed Oil Content by Expression of Glycerol-3-Phosphate Acyltransferase Genes", <i>Biochemical Society Transactions</i> , 28 (2000), pp. 958-961.	
CN	Zheng, Z. et al., "The Initial Step of the Glycerolipid Pathway", <i>The Journal of Biological Chemistry</i> , 276 (2001) pp. 41710-41716.	
CO	Shanklin, J. et al., "Desaturation and Related Modifications of Fatty Acids", <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> , 49 (1998), pp. 611-641.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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